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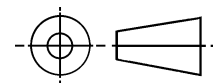
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THIRD ANGLE PROJECTION



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AEROSPACE STANDARD

BEARING, ROLLER, NEEDLE-DOUBLE ROW, HEAVY DUTY,
SELF-ALIGNING, TYPE IV, ANTIFRICTION, INCH

AS24464
SHEET 1 OF 3

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-B-3990.

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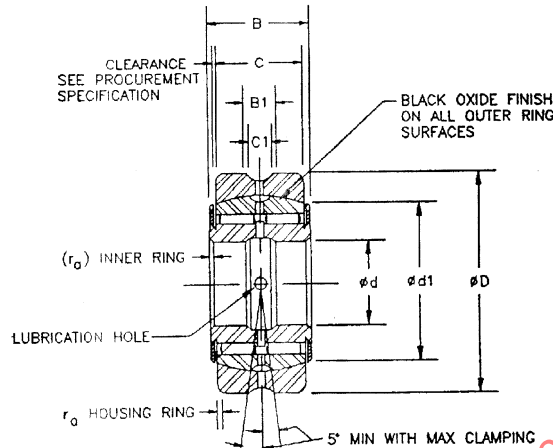


TABLE I

DIMENSIONS IN INCHES

Dash No	ϕd Bore	ϕD Housing Ring Outside Dia	D Overall Width	C Outer Ring Width	ϕd_1 Washer Outside Dia	B1 Lubrication Groove Width	C1 Lubrication Groove Width	r_o 1/ Fillet Max	Total Radial Clearance Max.	d_a Clamping Diameter		2/ Limit Load Rating lbf	Mass (Approx) lbf	Housing Size Gage +0.0000 -0.0001	
										Max	Min			Low	High
-6	0.3750	1.1875	0.562	0.469	0.812	0.188	0.125	0.022	0.0030	0.781	0.641	4530	0.130	1.1867	1.1872
-7	0.4375	1.3125	0.625	0.531	0.875	0.188	0.125	0.032	0.0031	0.844	0.703	5870	0.174	1.3116	1.3122
-8	0.5000	1.5000	0.750	0.656	1.031	0.188	0.125	0.032	0.0031	1.000	0.844	8670	0.293	1.4991	1.4997
-9	0.5625	1.6875	0.875	0.781	1.093	0.188	0.156	0.032	0.0031	1.062	0.891	11800	0.42	1.6866	1.6672
-10	0.6250	1.7500	1.000	0.906	1.156	0.250	0.156	0.032	0.0032	1.094	0.953	15500	0.52	1.7491	1.7497
-12	0.7500	1.8750	1.125	1.000	1.281	0.250	0.156	0.032	0.0034	1.156	1.070	20000	0.63	1.8741	1.8747
-14	0.8750	2.1250	1.250	1.125	1.500	0.375	0.156	0.032	0.0037	1.375	1.250	25800	0.87	2.1238	2.1246
-16	1.0000	2.2500	1.250	1.125	1.625	0.375	0.156	0.032	0.0041	1.500	1.375	28700	0.96	2.2488	2.2496
-20	1.2500	2.5000	1.250	1.049	1.906	0.375	0.156	0.032	0.0041	1.781	1.625	31400	1.07	2.4988	2.4996
-24	1.5000	2.7500	1.250	1.049	2.156	0.375	0.156	0.032	0.0041	2.062	1.875	36600	1.23	2.7488	2.7496
-32	2.0000	3.2500	1.250	1.049	2.656	0.375	0.156	0.032	0.0045	2.593	2.375	47100	1.49	3.2496	2.2496
-40	2.5000	3.7500	1.250	1.049	3.154	0.375	0.156	0.032	0.0046	3.062	2.875	57500	1.78	3.7485	3.7485
-48	3.0000	4.2500	1.250	1.049	3.656	0.375	0.156	0.032	0.0056	3.562	3.375	67900	2.06	4.2485	4.2495
-56	3.5000	4.8750	1.250	1.049	4.219	0.375	0.156	0.044	0.0057	4.141	3.969	80100	2.65	4.8735	4.8745

TABLE II

DIMENSIONS IN MILLIMETERS

Dash No.	ϕd Bore	ϕD Housing Ring Outside Dia	D Overall Width	C Outer Ring Width	ϕd_1 Washer Outside Dia	B1 Lubrication Groove Width	C1 Lubrication Groove Width	r_o 1/ Fillet Max	Total Radial Clearance Max.	d_a Clamping Diameter		2/ Limit Load Rating N	Mass (Approx) Kg	Housing Size Gage +0.0000 -0.0003	
										Max	Min			Low	High
-6	9.525	30.162	14.27	11.91	20.62	4.78	3.18	0.6	0.076	19.84	16.28	20100	0.059	30.142	30.155
-7	11.112	33.338	15.88	13.49	22.22	4.78	3.18	0.8	0.079	21.44	17.86	26100	0.079	33.315	33.330
-8	12.700	38.100	19.05	16.66	26.19	4.78	3.18	0.8	0.079	25.40	21.44	35500	0.135	38.079	38.092
-9	14.288	42.862	22.22	19.04	27.76	4.78	3.96	0.8	0.079	26.97	22.63	52300	0.19	42.840	42.855
-10	15.875	44.450	25.40	23.01	29.36	6.35	3.96	0.8	0.081	27.79	24.21	68700	0.24	44.427	44.442
-12	19.050	47.625	28.58	25.40	32.54	6.35	3.96	0.8	0.086	29.36	27.38	88700	0.29	47.602	47.617
-14	22.225	53.975	31.75	28.58	38.10	9.52	3.96	0.8	0.094	34.92	31.75	115000	0.39	53.945	53.965
-16	25.400	57.150	31.75	28.58	41.28	9.52	3.96	0.8	0.104	38.10	34.92	127000	0.44	57.120	57.140
-20	31.750	63.500	31.75	26.64	48.41	9.52	3.96	0.8	0.104	45.24	41.28	140000	0.49	63.470	63.490
-24	38.100	69.850	31.75	26.64	54.76	9.52	3.96	0.8	0.104	52.37	47.62	163000	0.56	69.820	69.840
-32	50.800	82.550	31.75	26.64	67.46	9.52	3.96	0.8	0.114	65.86	60.32	209000	0.68	82.512	82.540
-40	63.500	95.250	31.75	26.64	80.16	9.52	3.96	0.8	0.117	77.77	73.02	255000	0.81	95.212	95.237
-48	76.200	107.950	31.75	26.64	92.86	9.52	3.96	0.8	0.142	90.47	85.72	302000	0.94	107.912	107.937
-56	88.900	123.825	31.75	26.64	107.16	9.52	3.96	1.1	0.145	105.18	100.81	357000	1.20	123.787	123.812

- 1/ The chamfer on bearings must clear the maximum fillet radius given in the table. This specification does not control bearing chamfer contours.
- 2/ The limit load rating can be defined as the maximum radial load which can be applied to a bearing without impairing the subsequent functioning of the bearing in airframe applications. The ultimate or static fracture load rating is not less than 1.5 times the limit load rating.